Job Announcement

Young, modern, and research oriented... the University of Potsdam has firmly established itself within the scientific landscape since its founding in 1991. Nationally and internationally renowned scientists teach and perform research here at Brandenburg’s largest university. The University of Potsdam is successful in acquiring third-party funds, delivers outstanding performance in technology and knowledge transfer, and has a very service-oriented administration. With about 21,000 students studying at three campuses – Am Neuen Palais, Griebnitzsee and Golm – the University of Potsdam is a prominent economic factor and engine of development for the region. The University of Potsdam has a total of over 3,000 faculty and staff members and is located in one of Germany’s most scenic areas.

The University of Potsdam, Faculty of Science, Institute for Physics and Astronomy invites applications for the following position:

**Academic Staff Member**

Requisition No.: 375/2020

The position as a PhD student: “Time domain studies in nanoscale ferroelectrics” is available from October 01st, 2020. The salary is determined by the collective bargaining agreement for public employees in Germany (TV-L 13 Ost). The position is for 26.67 hours per week (66.67% of a full-time contract). This is a temporary position limited to a term of three years in accordance with Section 2 subsection 1 of the Academic Fixed-Term Contract Law (WissZeitVG).

The position is located in the French-German project FEAT (Ferroelectrics at the nanoscale on silicon). The project is funded by the DFG and the position is limited initially to a term of three years. The research will be conducted at the Institute for Physics & Astronomy at the University of Potsdam and at the Synchrotron-Radiation facility BESSY II of the Helmholtz-Zentrum Berlin within the research group “Ultrafast dynamics in condensed matter”, guided by Prof. Matias Bargheer.

**Responsibilities:**
The applicant will do experimental work on time-domain investigations of ferrolectric domains and ferroelectric switching. Experiments will include contacted devices subjected to ferroelectric test cycles. Operando studies of the dynamics using time-resolved x-ray diffraction and scanning near-field optical microscopy will be conducted and analyzed by the applicant.

**Qualifications**
- Master or diploma in physics or a related discipline is required
- Applicants with expertise in ferroelectrics, near-field microscopy, strain engineering, ultrafast optics, x-ray diffraction or experiments at synchrotron radiation facilities are particularly encouraged to apply.
- Skills in mathematical and numerical modeling are welcome
- We are looking for highly self-motivated individuals who are fascinated by physics and want to work in a team of other PhD students and PostDocs.

Under the laws of the federal state of Brandenburg, employees under this contract are permitted to dedicate at least 33% of their contract time for their scientific qualification.
The University of Potsdam aims to increase the proportion of women in research and teaching and therefore invites qualified applicants to apply. The University of Potsdam values the diversity of its members and pursues the goals of equal opportunities regardless of gender, nationality, ethnic and social origin, religion/belief, disability, age, sexual orientation or identity. In the case of equal suitability, women within the meaning of Section 7 (4) BbgHG and severely disabled people will be given preferential consideration. Applications from abroad and from persons with a migration background are expressly welcome.

Applicants should send their application materials to Prof. Matias Bargheer via Email to bargheer@uni-potsdam.de before 31.08.2020. The documents should include a CV, a short statement of current and future research interest and a list of publications.

Potsdam, August 13, 2020